

What is claimed is:

1. A monoclonal antibody produced by ~~hybridoma~~ 96-109FE8 IH11 which agglutinates bacteria bearing CS4-CFA/I family proteins which binds ~~exclusively~~ and specifically to the sequence SAVALTYS. (seq. #2)

2. A monoclonal antibody of claim 1 which is produced by hybridoma 96-109FE8 IH11.

3. A composition of matter comprising a monoclonal antibody of claim 1 in a carrier appropriate for application to a bacteria-containing growth media.

4. A composition of claim 3 wherein the monoclonal antibody has a tag to assist in identification of the antibody/-CS4-CFA/I family protein complex.

5. A composition of claim 4 wherein the tag is a fluorescing agent.

6. A composition of claim 4 wherein the tag is a colorometric tag.

7. ~~A assay for detecting presence of organisms bearing the CS4-CFA/I family proteins comprising the steps of:~~

~~1. contacting a culture of organisms with a composition of claim 1,~~

~~2. allowing time for the monoclonal antibodies in the composition of claim 1 to interact with the microbial organisms, and~~

~~3. examining the culture after interaction of step 2 to determine whether an CS4-CFA/I family protein/antibody complex has been formed.~~

8. A composition comprising an antibody of claim 1 in a pharmaceutically acceptable carrier.

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Mr
B³/

9. A composition of claim 8 wherein the carrier is saline.

10. A method of treating illness arising from infection with bacteria bearing CS4-CFA/I family proteins by administration of a bacteria-agglutinating effective amount of the composition of claim 8.

11. A method of prophylaxing against illness arising from infection with bacteria bearing CS4-CFA/I family proteins by administration of a bacteria-agglutinating effective amount of the composition of claim 8.

Add
B¹-B³

Add D³

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